JLCCTC

Industry Day

for

Constructive Training Systems (CTS)

21 March 2008

Agenda

0830 – 0900 Sign In

0900 – 0910 Ground Rules (Dunn)

0910 – 0920 CTS Overview (Foxworth)

0920 – 0930 BCTC Overview (Dunn)

0930 – 1000 JLCCTC Lab Overview (Escobar, Echols)

1000 – 1015 BREAK

1015 – 1045 Walkthrough (Hart)

1045 – 1145 Q&A/Conclusion (Foxworth)

Ground Rules

Jimmy Dunn
CTS Project Director
PEO STRI

Ground Rules

- **Admin**
  - **Please ensure you sign the attendee list and NDA**
  - **Please silence your cell phone and pagers**
- **Security**
  - **Escort required in building**
  - **Badge must be clearly visible at all times**
  - **No interference of on-going activities**
  - **No data devices in lab (i.e cell phones, USB drives, computers, etc.)**
- **Q&A following each presentation segment**
- **Industry Questions:**
  - **Please print clearly and submit one question per index card.**
- **Follow-up questions may be submitted via e-mail**

Ground Rules

- **All questions presented here will be recorded and posted to the PEO STRI website along with today's briefing slides**

- **Nothing said by Government personnel here today establishes a requirement. Only a Request For Proposal (RFP) establishes a government requirement.**

Government Team

- Gloria Bailey, Contract Specialist
- Jimmy Dunn, Project Director
- Andrew Echols, Systems Engineer
- Ricardo Escobar, Systems Engineer
- Steve Foxworth, Acquisition Logistician
- Pat Hart, Systems Engineer
- Mary Ograyensek, Contract Specialist

CTS Overview

Steve Foxworth
Acquisition
Logistician
PEO STRI

CTS Overview

- **Army approved the JLCCTC-CBCSE-BCTC-ES Distribution Plan in August 2007**
- **The purpose of CTS is procurement and fielding of hardware platforms and integration of developed software to provide Constructive Training Systems for the U.S. Army and external customers**
- **CTS other programs; Marine Corp, Defense Acquisition University, Army Battle Command Systems, Foreign Military Sales**

CTS Overview

(Continued)

- **CTS Acquisition**
  - **Best Value**
  - **Firm-Fixed Price Supply**
  - **With T&M and FFP Additional Mission Support**
  - **Award without discussion**
  - **Small Business set-aside - shall perform work for at least 50% of the cost of manufacturing the supplies, not including the cost of materials**

Anticipated Milestone Schedule

Milestone	Date
Draft RFP	**7 Mar 08**
Final RFP	**28 Mar 08**
Proposals Due	**18 Apr 08**
Contract Award	**16 May 08**
JLCCTC ERF VV&A and ORE	**Jun 08**

BCTC Overview

Jimmy Dunn
Project Director
PEO STRI

V4 MRF-W WARSIM

Hardware

Information not provided – requires distribution agreement

SECRET REL Enclave	SECRET NOFOR Enclave	TS/SCI Enclave

MRF-W
LOWER ENCLAVE
(SECRET REL)

Information not provided – requires distribution agreement

MRF-W
MIDDLE ENCLAVE
(SECRET NOFOR)

Information not provided – requires distribution agreement

MRF-W
UPPER ENCLAVE
(TS/SCSI)

Information not provided – requires distribution agreement

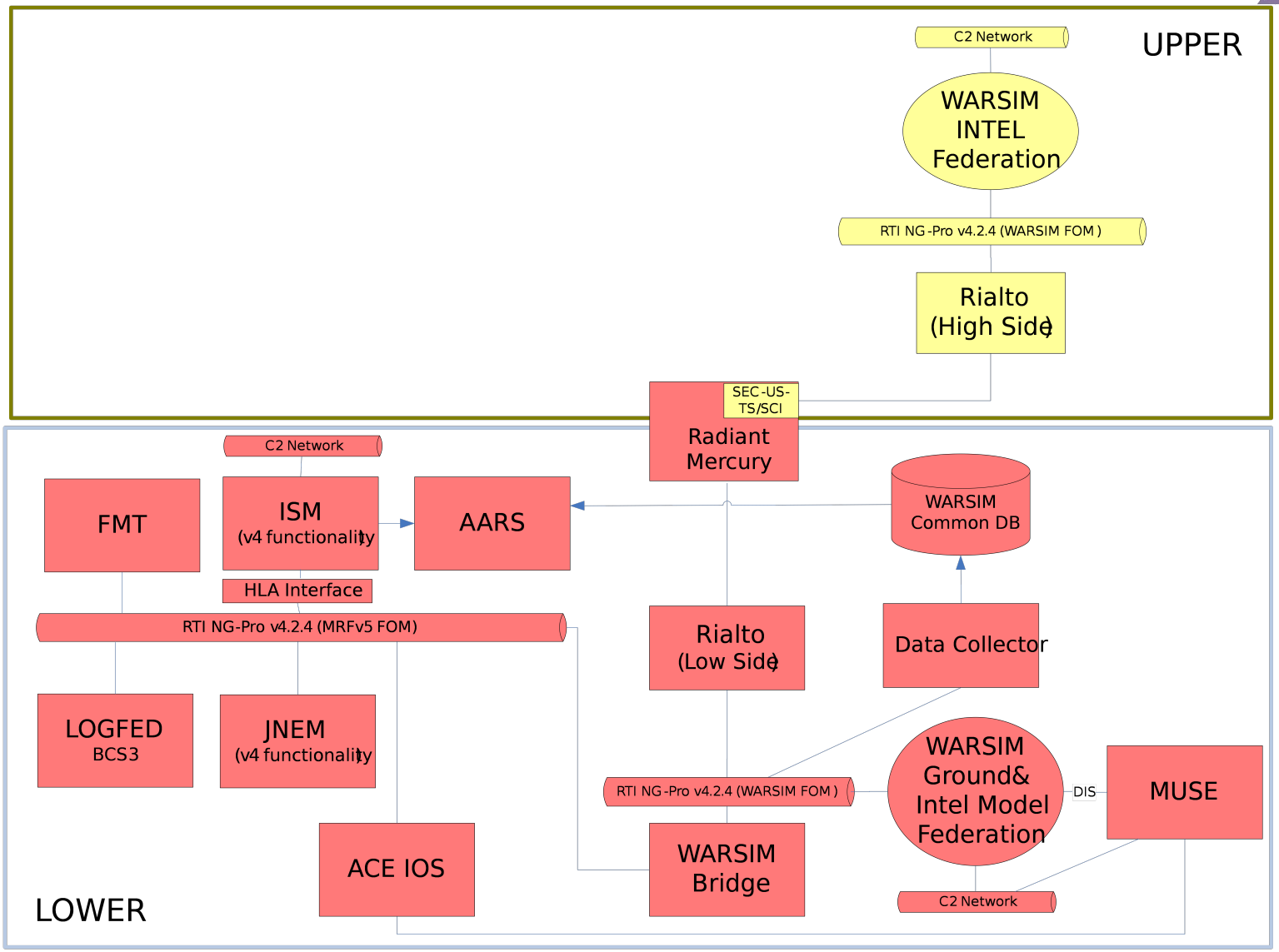
BCTC MCA Layouts

Ricardo Escobar
Andrew Echols
Systems Engineer
PEO STRI

JLCCTC-MRF

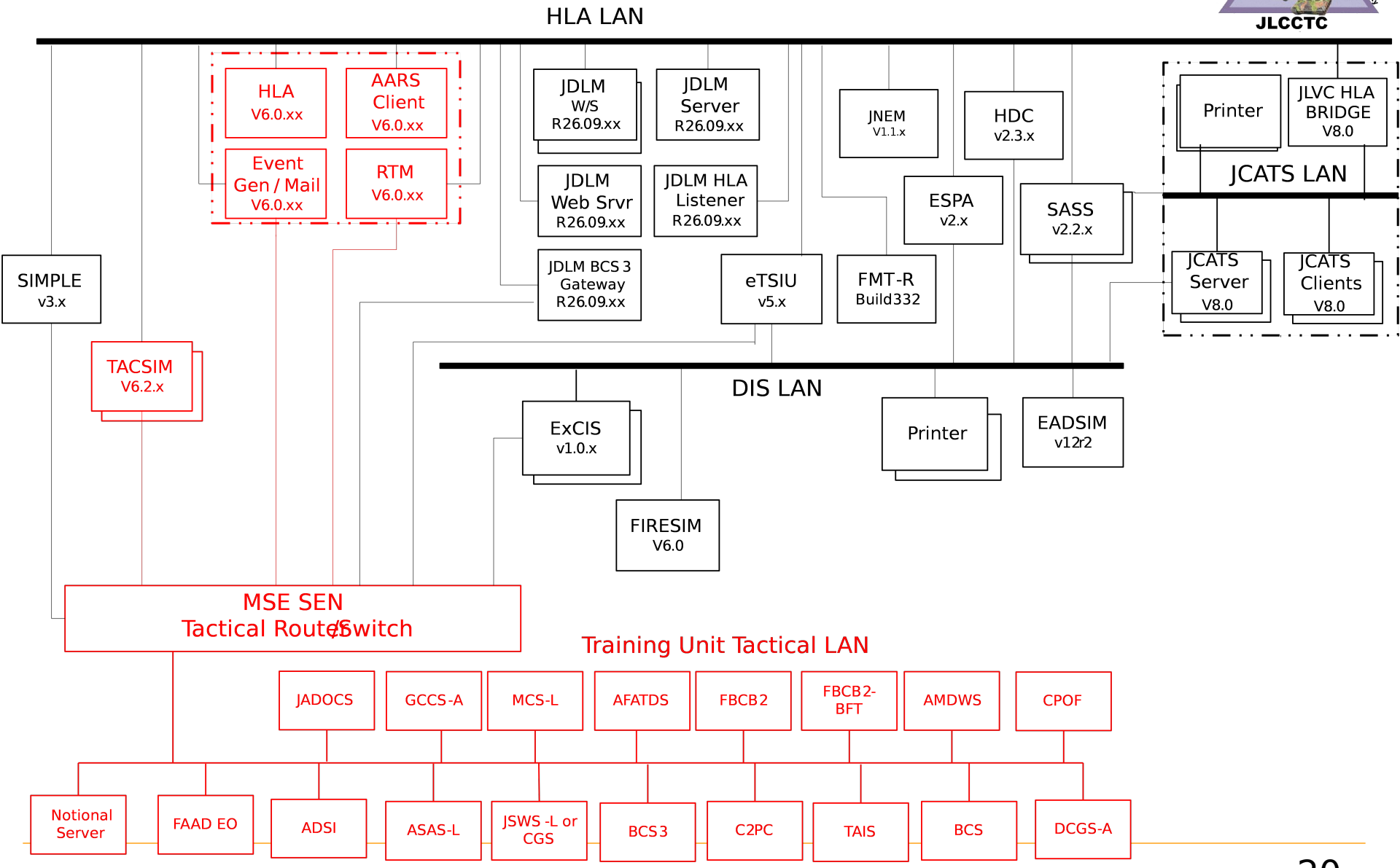
- Purpose: **JLCCTC-MRF is a federation of simulations, C2 interfaces, data collection and After Action Review tools. JLCCTC-MRF stimulates Army Battle Command Systems (ABCS) to facilitate battlestaff collective training requiring staff reaction to incoming digital information while executing the commander's tactical plan. The targeted training audience is Division and above battlestaffs including functional and full command post training.**
- Characteristics: **The JLCCTC-MRF is a federation of models and sims that map simulation units and entities to the ABCS and other C2. Within the federation we provide practical maneuver, logistic, intelligence, air, fire support and air-defense stimuli to C2 for unit training.**
- Versions:
  - **Currently Fielded v3, v4**
  - **Current Development v5**
    - **Validation MRF-W April**

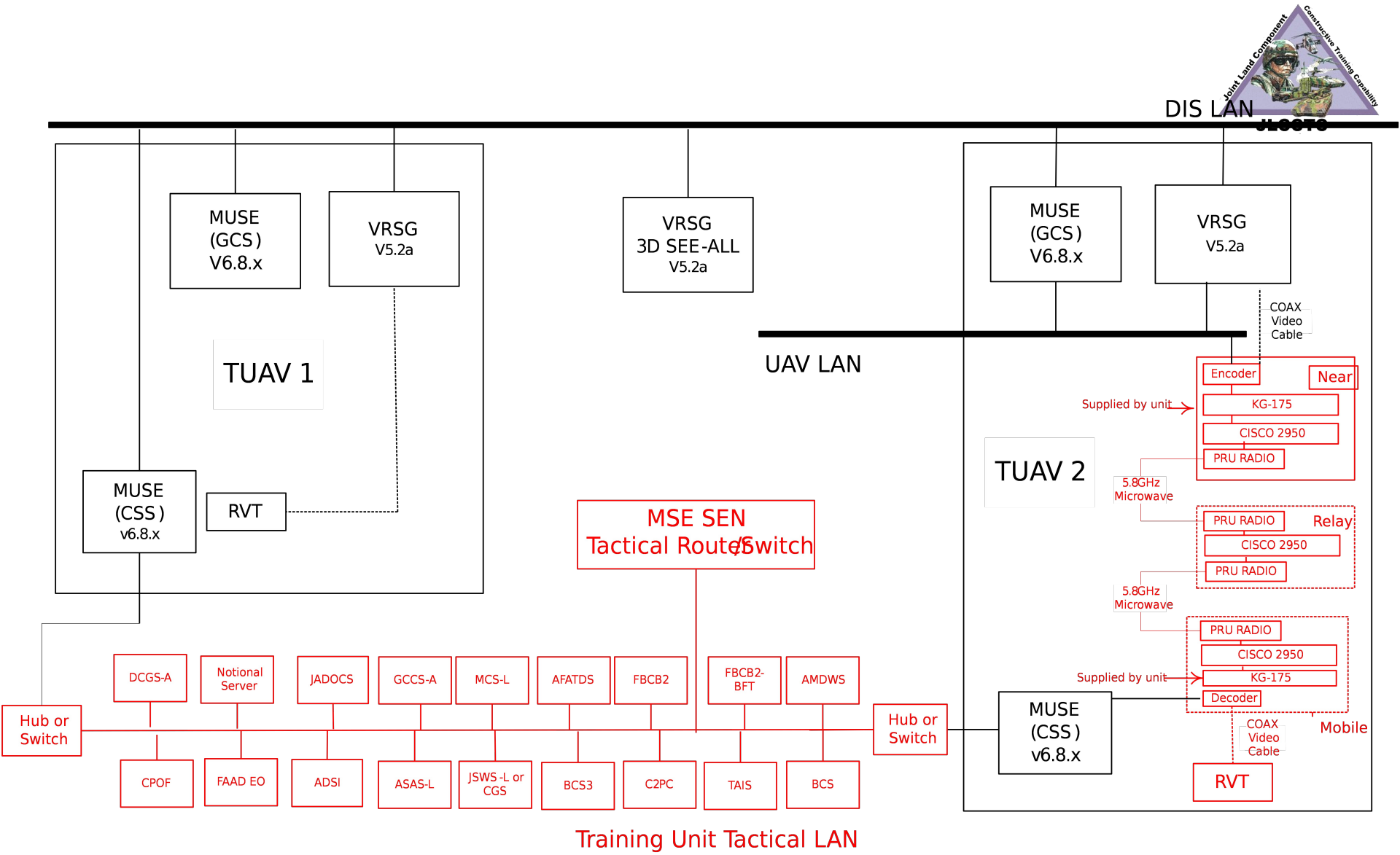
MRF-W Architecture



JLCCTC -ERF Version 5.0 DITSCAP Certification Accreditation Architecture

RTI =NG-Pro-V4.2.4-Win32 FOM =ERF_v5_021408




DIS LAN
JLCCTC
MUSE (GCS) V6.8.x
VRSG V5.2a
VRSG 3D SEE-ALL V5.2a
MUSE (GCS) V6.8.x
VRSG V5.2a
COAX Video Cable
TUAV 1
UAV LAN
Encoder
Near
Supplied by unit
KG-175
CISCO 2950
PRU RADIO
TUAV 2
5.8GHz Microwave
PRU RADIO
Relay
CISCO 2950
PRU RADIO
5.8GHz Microwave
PRU RADIO
CISCO 2950
Supplied by unit
KG-175
Decoder
Mobile
COAX Video Cable
MUSE (CSS) v6.8.x
RVT
MUSE (CSS) v6.8.x
RVT
MSE SEN Tactical Router/Switch
DCGS-A
Notional Server
JADOCS
GCCS-A
MCS-L
AFATDS
FBCB2
FBCB2-BFT
AMDWS
Hub or Switch
Hub or Switch
CPOF
FAAD EO
ADSI
ASAS-L
JSWS -L or CGS
BCS3
C2PC
TAIS
BCS
Training Unit Tactical LAN

JLCCTC -ERF Version 5.0 DITSCAP Certification Accreditation Architecture

Each BattleSight system can receive up to 24 VGA inputs, 16 S-video, and 16 composite video sources. Input sources can be from computers, CD/DVD recorders/players, camcorders, or surveillance cameras. Each BattleSight system is capable of 16 DVI/VGA video signals to a variety of output devices (plasma screens, projectors, LCD, CRT, etc). The following is a representation of input/output possibilities and can be modified to fit the user's needs

The Battlesight (BVS), due to cost, stability, and low IA risk is only in the fielded version of the ERF. The testing environment architecture does not incorporate the BVS system

JDLM

FIRESIM

EADSIM

VRSG
3D SEE-ALL

AARS

ESPA

VRSG
(TUAV)

eTSIU

SIMPLE

JCATS
Client

Plasma
Screen

Note: This example shows four plasma screens. One screen in full screen mode, one screen with two images, one screen with picture-in-a-picture, and one screen with four images. BattleSight can also do an extended image across all four plasma screens

GCCS-A

ADSI

AFATDS

MCS

FBCB2

JSWS-L or
CGS

BattleSight
v2.0

Note: This example shows four Proxima projectors in-line. BattleSight can create images showing up to four screens from each Proxima. This would give a total of 16 images. If positioned 2x2, BattleSight can also project one super-sized image using all four projectors

JADOCS

ASAS-L

TAIS

AMDWS

FAAD-EO

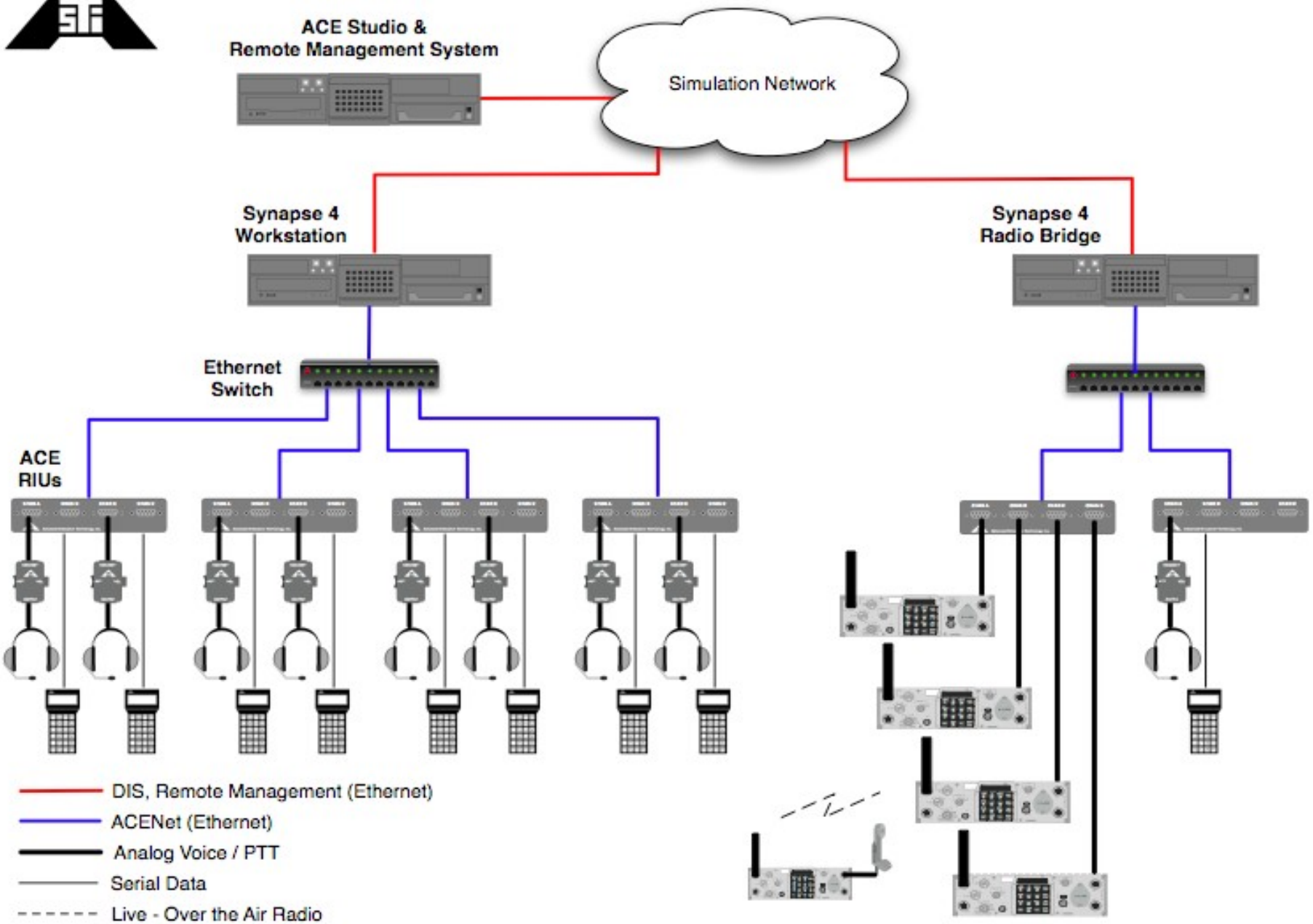
FBCB2-BFT

BCS3

C2PC

Items In Black Are Included In DIACAP Certification/Accreditation.
Items in Red Are Not Included In DIACAP Certification/Accreditation.

ASTi Live-Virtual Communications System, Notional Diagram, BCTC RWI Application



Questions and Answers

Questions and Answers

Please submit all communication via email to:

Mary.Ograyensek@us.army.mil